

SCIENCE AGENDA April 24 - 28th

MS-LS3-1 Develop and use a model to describe why structural changes to genes (mutations) located on chromosomes may affect proteins and may result in harmful, beneficial, or neutral effects to the structure and function of the organism.

| DATE | | IN CLASS WORK (Performance Task) | SUCCESS CRITERIA HOMEWORK |
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| Monday April 24th | FOCUS QUESTION Who was Gregor Mendel? | <ul style="list-style-type: none"> Students will practice the tools for the science part of the M-Step. Students will read about Gregor Mendel (Page 74) and discuss his accomplishments. | HW: None Students will be able to give three or more facts of about Gregor Mendel. <ul style="list-style-type: none"> father of genetics studied pea plants high school biology teacher Austrian Monk |
| Tuesday April 25th | FOCUS QUESTION Why do some children look more like one parent when they received the same number of chromosomes from each parent? | <ul style="list-style-type: none"> Students will receive a worksheet practice the vocabulary for genetics. Students will do the Class Survey on page 85 in the science book. | HW: None Students will be able to explain that one parent must have had more dominant traits for the offspring to look more like them. |
| Wednesday April 26th | FOCUS QUESTION What is an allele and how do geneticist use it predict traits? | <ul style="list-style-type: none"> Students will practice writing alleles for different genetic traits. | HW: None Students will be able to give suggested letters (alleles)hat can represent a trail. Example: Ff = freckles |
| Thursday April 27th | FOCUS QUESTION How can Punnett squares be used to predict the characteristics in offspring? | <ul style="list-style-type: none"> Students will learn about dominant and recessive traits found on pages 86-89 in the science book. | HW: None Students will be able to fill in a Punnett square with these two traits. for parents <div style="text-align: center; margin-top: 10px;"> $\begin{array}{c} B & b \\ \begin{array}{c} \square \\ \square \end{array} & \begin{array}{c} \square \\ \square \end{array} \end{array}$ </div> |
| Friday April 28th | STUDY GUIDE I can karyotype chromosomes. I can name some genetic disorders. I can give three facts about Gregor Mendel. I can define allele, dominant/recessive trait, genotype and phenotype. I can use a Punnett square to predict the traits in offspring. | SCIENCE QUIZ (Predicting Traits in Offspring) | HW: None Students will achieve an 80% or higher on this quiz. |